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**Abstract**

A reversing wiper motor system has a first detector including a detectant which rotates in synchronism with the wiper. The detector physically identifies a plurality of distinct angular zones across the entire range of motion of the wiper, including a wiper park zone, a wiping zone, and a wiper out-of-bound zone. A second detector detects incremental movement of the wiper within any given zone. Control circuitry controls the direction of the motor based on the detected zone and the incremental motion of the wiper therein. The system enables the wiper to be located upon power-up.